

PATENT SPECIFICATION



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145,370

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COMPLETE SPECIFICATION.

Bicycle Lock.

- I, JACOB HENDRIK VAN VIERSEN, 112, inwards and outwards and inside of the
 Valkenboschlaan, The Hague, Holland, latch there is a locking pin 9, which can
 Electrician, do hereby declare the nature be pushed inwards and outwards and
 of this invention and in what manner the which is pushed out to the right by spring
 same is to be performed, to be particu- 10.
 larly described and ascertained in and by 50
 the following statement:—
 This invention relates to a bicycle-lock In the drawing slide 8 is shown in its
 of the kind having a bolt adapted to be so extreme right-hand position in which it is
 positioned as to be capable of being locked by ball 11, which rests on the
 pressed by a spring into a hole in the edges of two parallel circular plates 12
 inner crown tube to lock the steering and 13. Each of these plates has a recess
 when an attempt is made to ride the 14 or 15 which, together, form a cup, in
 bicycle away. 55
 The lock in accordance with this inven- which ball 11 can drop, when the plates 12
 tion has a slide which may be fixed and 13 are placed in the correct position.
 against movement by a locking-mechan- The plates may be turned from the out-
 ism and which can be moved from the side by means of knobs arranged with
 outside, and carries a spring pressed pin, 60
 which, when the slide is closed is pressed markings after the manner of a letter
 forwards by the spring relatively to the lock.
 slide to the outside of the lock and is Slide 8 can be brought into its extreme
 retracted when the slide is opened. For forward position against the pressure of
 this purpose the lock contains a slide spring 10 and can be locked in that posi-
 having a pin which can be pushed in- 65
 wardly and outwardly under the influence tion by means of ball 11. The locking
 of a spring. When the slide is moved pin 9 then rests against the inner-tube of
 forwards and closed, the pin with the the crown and spring 10 is compressed. As
 spring compressed presses against a soon as, due to movement of the steering
 movable part of the bicycle, preferably of the bicycle, the hole 17 in the inner
 the crown-tube; the pin however does not 70
 move forwards until the hole drilled in tube comes into line with the locking pin,
 the part in question comes opposite the spring 10 forces this pin into the hole,
 pin, on movement of the bicycle. The locking the two crown-tubes together
 pin, which cannot be reached from the thereby making it impossible to guide the
 outside, cannot be retracted, until the 75
 slide is unlocked. bicycle. Locking pin 9, which cannot be
 The drawing shows one construction of reached from the outside, can only be re-
 the improved lock. tracted together with latch 8, after ball 11
 In the drawing, 1 denotes the upper- 80
 frame-tube 2 the outer and 3 the inner- has dropped into the cup of the plates 12
 crown tube. and 13. The inner flange 18 of the latch
 The lock is fastened to the upper-frame- which is pressed backwards by the spring
 tube, or to the crown by straps 4, 5 and 6. 16 then takes the locking pin along by
 It contains a slide 8, which can be pushed 80
 means of the collar 19. means of the collar 19.
 The backward motion of slide 8 is The backward motion of slide 8 is
 limited by screw 20, which runs in a slot limited by screw 20, which runs in a slot
 21. Knob 22 serves as a handle for the 21. Knob 22 serves as a handle for the
 slide, where it protrudes beyond the lock. 85
 It is clear that the ball-locking device slide, where it protrudes beyond the lock.
 is not essential for the invention; the It is clear that the ball-locking device
 locking of the slide can be effected by any is not essential for the invention; the
 other suitable lock. 90
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Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed; I declare that what I claim is:—

5 A bicycle lock of the kind set forth characterised by a spring pressed pin movable relatively to a slide which may be fixed against movement by a locking
10 mechanism which can be moved from the

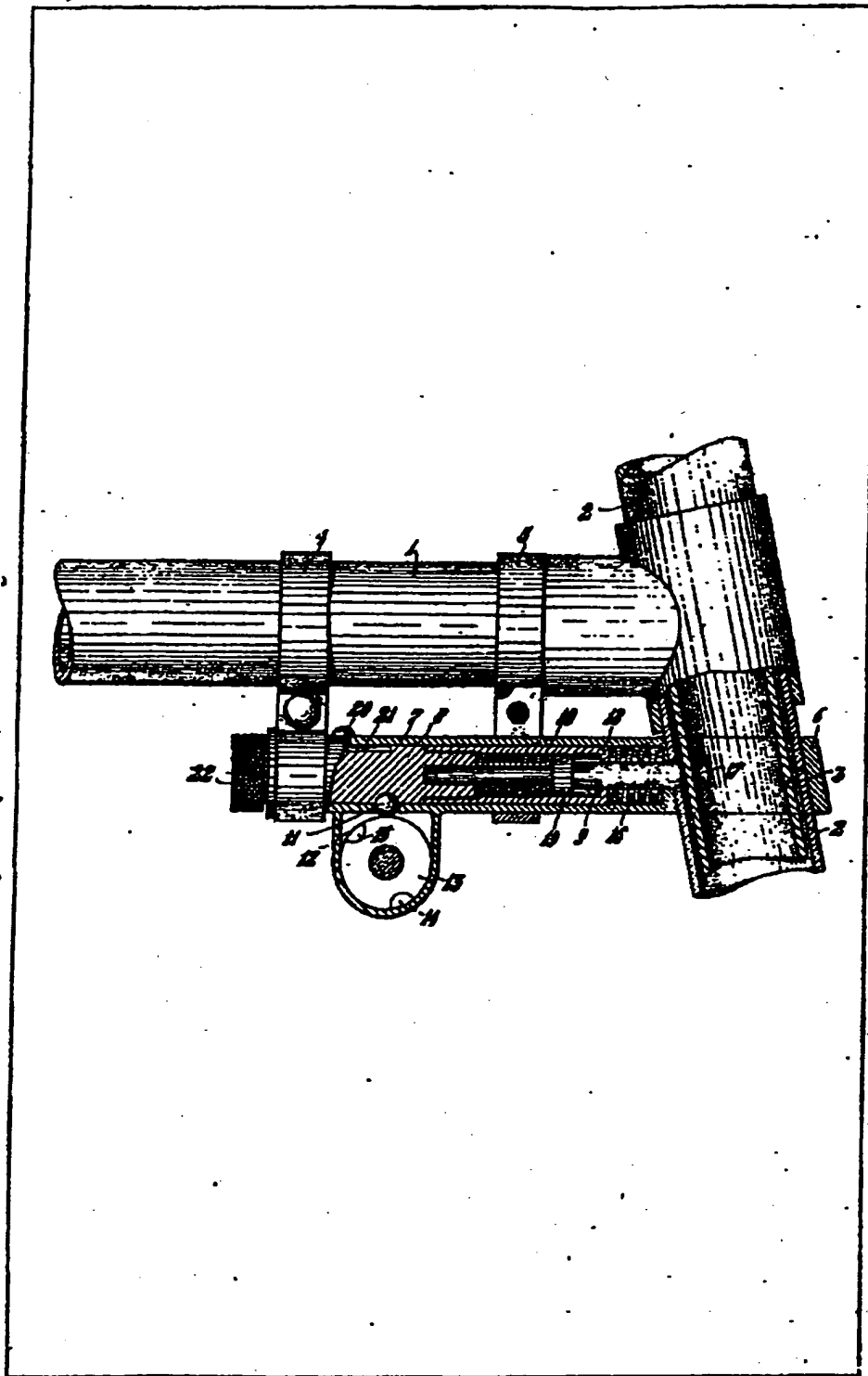
outside, the pin being pressed forward relatively to the slide when the latter is closed and being retracted when the slide is opened, substantially as described.

Dated this 37th day of January, 1920. 15
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